

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/ 823, SD9  
Source: IFWD  
Date Processed by STIC: 10-22-04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 10/22/2004

PATENT APPLICATION: US/10/823,509

TIME: 16:01:13

Input Set : D:\0003-00724CIP.ST25.txt

Output Set: N:\CRF4\10222004\J823509.raw

```

3 <110> APPLICANT: Rajh, Tijana
4     Paunesku, Tatjana
5     Woloschak, Gayle E.
6     Thurnauer, Marion C.
8 <120> TITLE OF INVENTION: Use of Metal Oxide Semiconductors to Manipulate Biological
9     Molecules
11 <130> FILE REFERENCE: 0003/00724 CIP
13 <140> CURRENT APPLICATION NUMBER: US 10/823,509
14 <141> CURRENT FILING DATE: 2004-04-12
16 <150> PRIOR APPLICATION NUMBER: US 10/755,045
17 <151> PRIOR FILING DATE: 2004-01-09
19 <150> PRIOR APPLICATION NUMBER: US 09/606,429
20 <151> PRIOR FILING DATE: 2000-06-28
22 <160> NUMBER OF SEQ ID NOS: 6
24 <170> SOFTWARE: PatentIn version 3.2
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 16
28 <212> TYPE: DNA
29 <213> ORGANISM: artificial sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: synthetic construct
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (1)..(1)
38 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
40 <400> SEQUENCE: 1
W--> 41 ngcatgcatg gatgga                                     16
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 16
46 <212> TYPE: DNA
47 <213> ORGANISM: artificial sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: synthetic construct
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (1)..(1)
56 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
58 <400> SEQUENCE: 2
W--> 59 nggatggatg gatgga                                     16
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 16
64 <212> TYPE: DNA
65 <213> ORGANISM: artificial sequence

```

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```

67 <220> FEATURE:
68 <223> OTHER INFORMATION: synthetic construct
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (1)..(1)
74 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
76 <400> SEQUENCE: 3
W--> 77 nccactttcc acacag 16
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 16
82 <212> TYPE: DNA
83 <213> ORGANISM: artificial sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: synthetic construct
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (1)..(1)
92 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
94 <400> SEQUENCE: 4
W--> 95 nagaccaaga gccttc 16
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 16
100 <212> TYPE: DNA
101 <213> ORGANISM: artificial sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: synthetic construct
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (1)..(1)
110 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
112 <400> SEQUENCE: 5
W--> 113 nttccttgga tgtggt 16
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 16
118 <212> TYPE: DNA
119 <213> ORGANISM: artificial sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: synthetic construct
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (1)..(1)
128 <223> OTHER INFORMATION: n is carboxyl deoxythymidine
130 <400> SEQUENCE: 6
W--> 131 ncaggattcc ctcagt 16

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/823,509

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TIME: 16:01:14

Input Set : D:\0003-00724CIP.ST25.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1 ✓  
Seq#:2; N Pos. 1 //  
Seq#:3; N Pos. 1 //  
Seq#:4; N Pos. 1 //  
Seq#:5; N Pos. 1 //  
Seq#:6; N Pos. 1 //

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/823,509

DATE: 10/22/2004

TIME: 16:01:14

Input Set : D:\0003-00724CIP.ST25.txt

Output Set: N:\CRF4\10222004\J823509.raw

L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0